

FIG. 1A

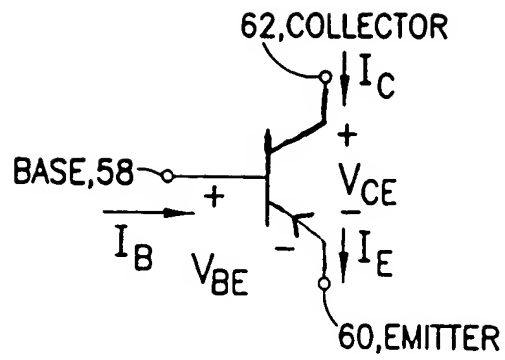


FIG. 1B

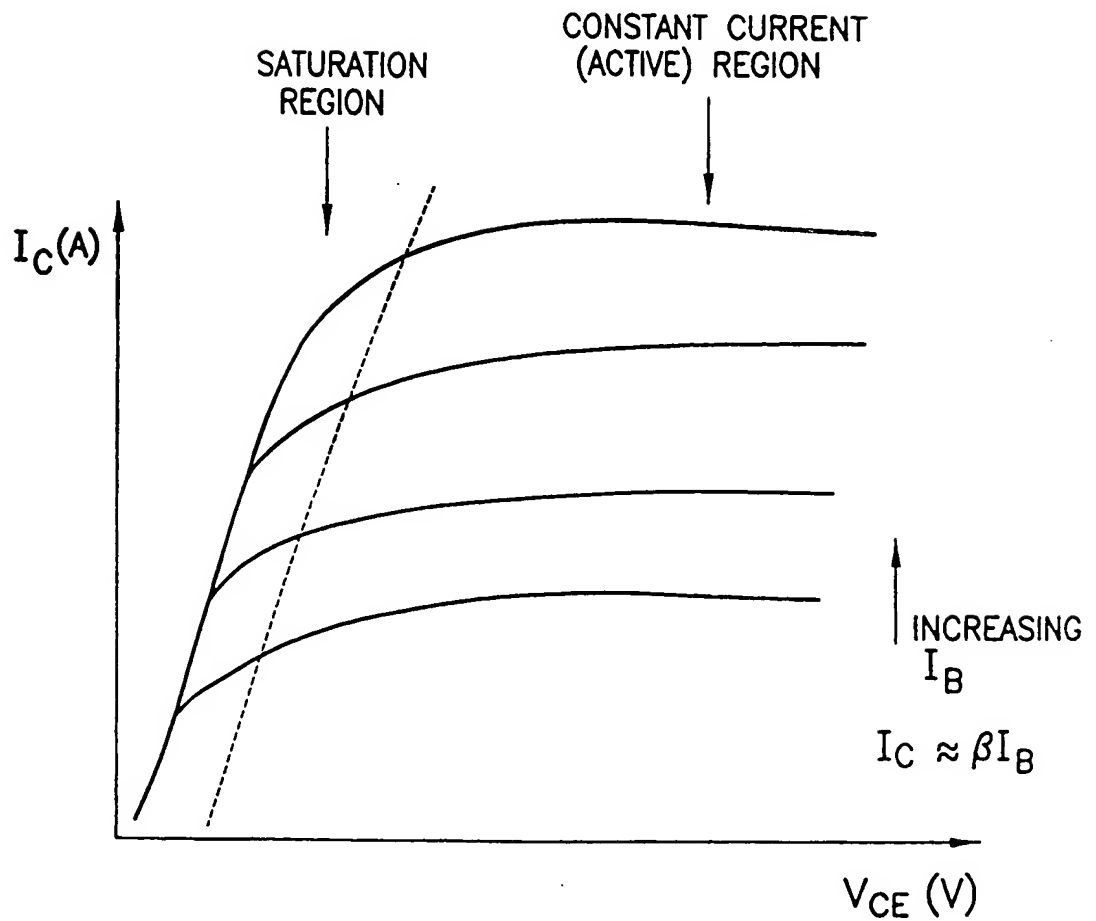


FIG. 1C

Layer Material	Layer Doping Type	Typical Doping Concentration (atoms/cm ³)	Typical Layer Thickness (Å)	Layer #
InGaAs	P+	1E20	25	165b
GaAs	P+	1E20	75	165a
Al(0.7)Ga(0.3)As	P	1E17	700	164b
Al(0.7)Ga(0.3)As	P+	1E19	10	164a
Al(.15)Ga(.85)As	P+	3.5E18	25	163d
Al(.15)Ga(.85)As	und	und	200 - 300	163c
Al(.15)Ga(.85)As	N+	3.5E18	80	163b
Al(.15)Ga(.85)As	und	und	20-30	163a
GaAs	und	und	15	162
In(.20)Ga(.80)AsN	und	und	60	161
GaAs	und	und	100	160b
GaAs	und	und	100 - 250	160a
Al(.15)Ga(.85)As	und	und	5000	159
GaAs	und	und	100	158
In(.20)Ga(.80)AsN	und	und	60	157
GaAs	und	und	15	156
Al(.15)Ga(.85)As	und	und	30	155d
Al(.15)Ga(.85)As	P+	3.5E18	80	155c
Al(.15)Ga(.85)As	und	und	300	155b
Al(.15)Ga(.85)As	N+	3.5E18	80	155a
Al(0.7)Ga(0.3)As	N	1E17	700	154
GaAs	N+	3.5E18	2200	153
AlAs	und	und	1701	151
GaAs	und	und	696	152
AlAs	und	und	1701	151
GaAs Substrate		SI		149

Handwritten annotations on the left side of the table:

- 20 { (next to layers 156-159)
- 18 { (next to layers 155a-155d)
- 16 { (next to layers 154-155a)
- 14 { (next to layers 153-154)
- 12 { (next to layers 151-152)
- 10 { (next to layer 149)

Handwritten annotations on the right side of the table:

- NHFET 13 (bracketed next to layers 160a-165b)
- PHFET 11 (bracketed next to layers 149-159)

Handwritten annotations within the table:

- X3 (next to layer 160b)
- X3 (next to layer 157)
- X3 (next to layer 152)

FIG. 2A

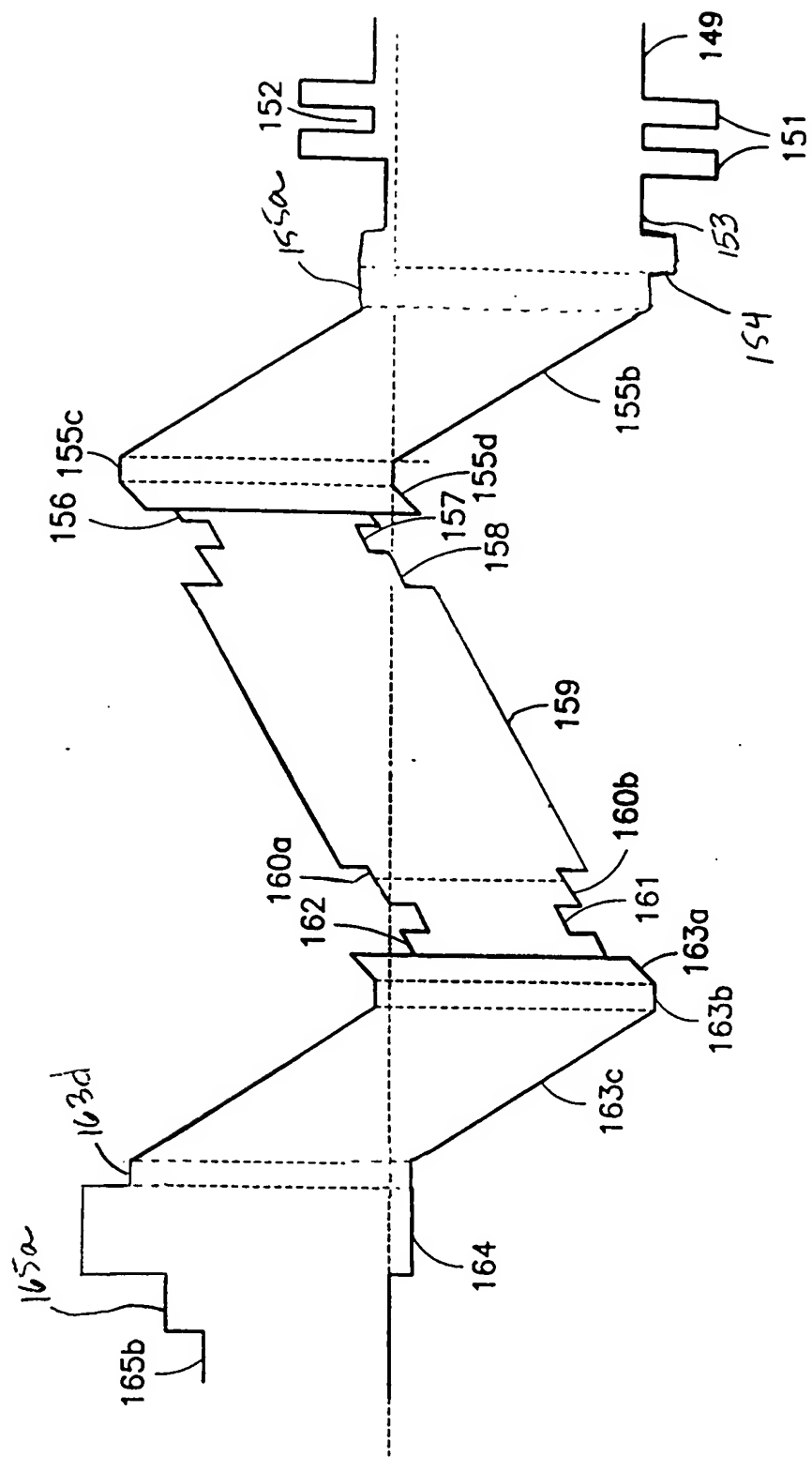


FIG. 2B

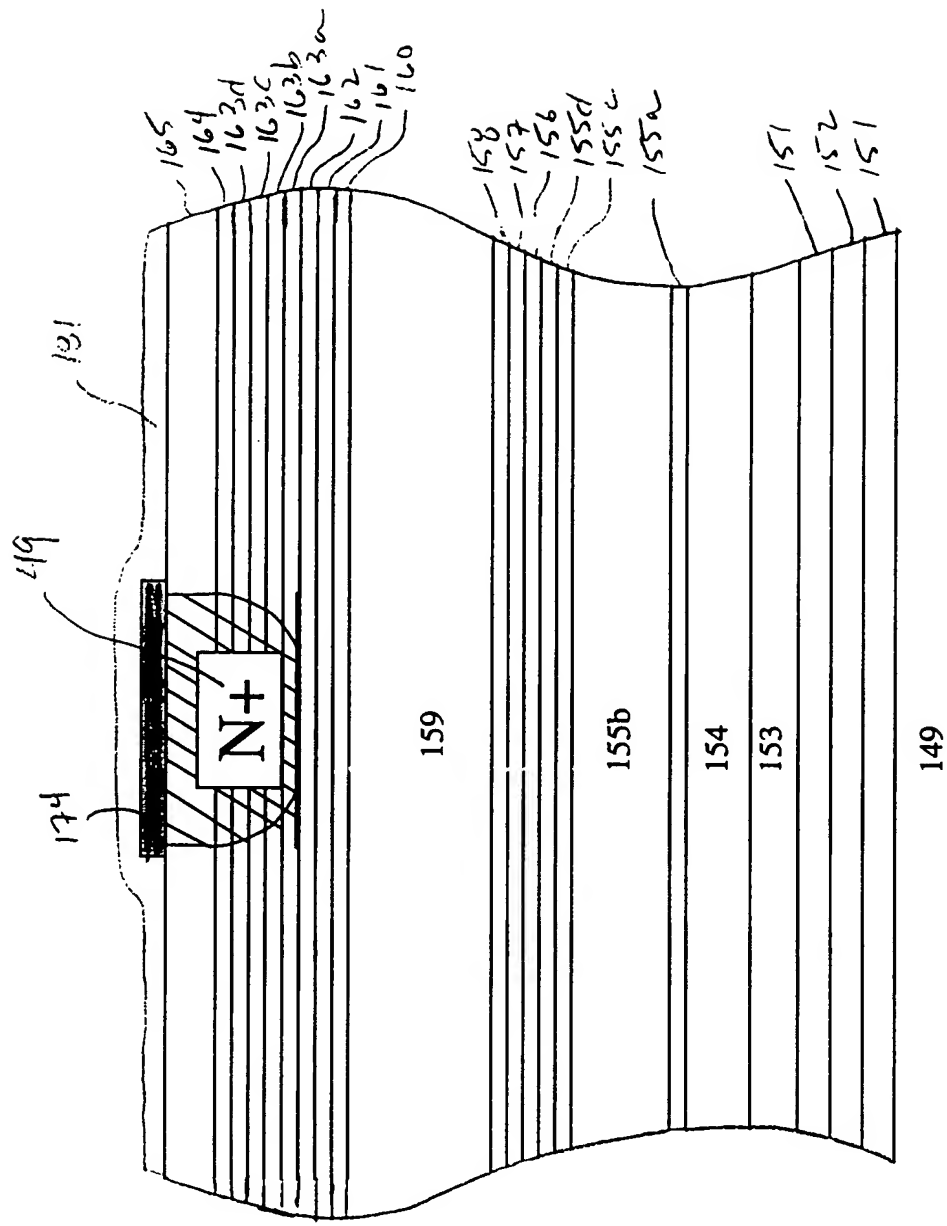


FIG. 3A



HE1

FIG. 3B

FIG. 4

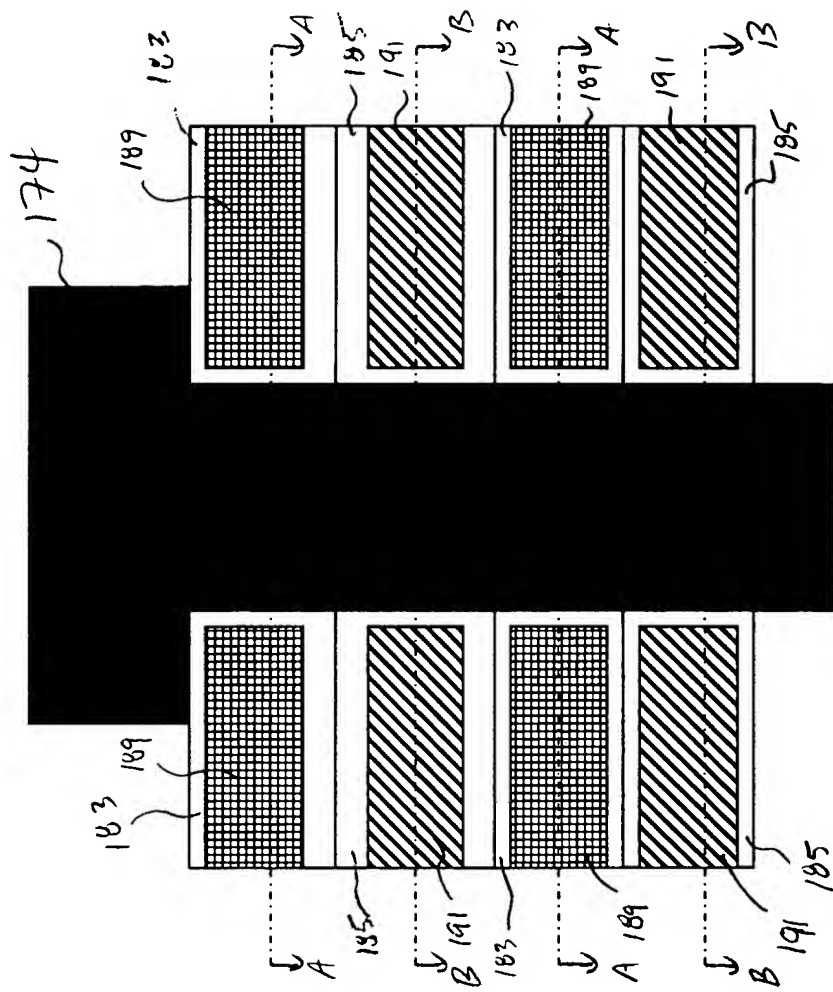
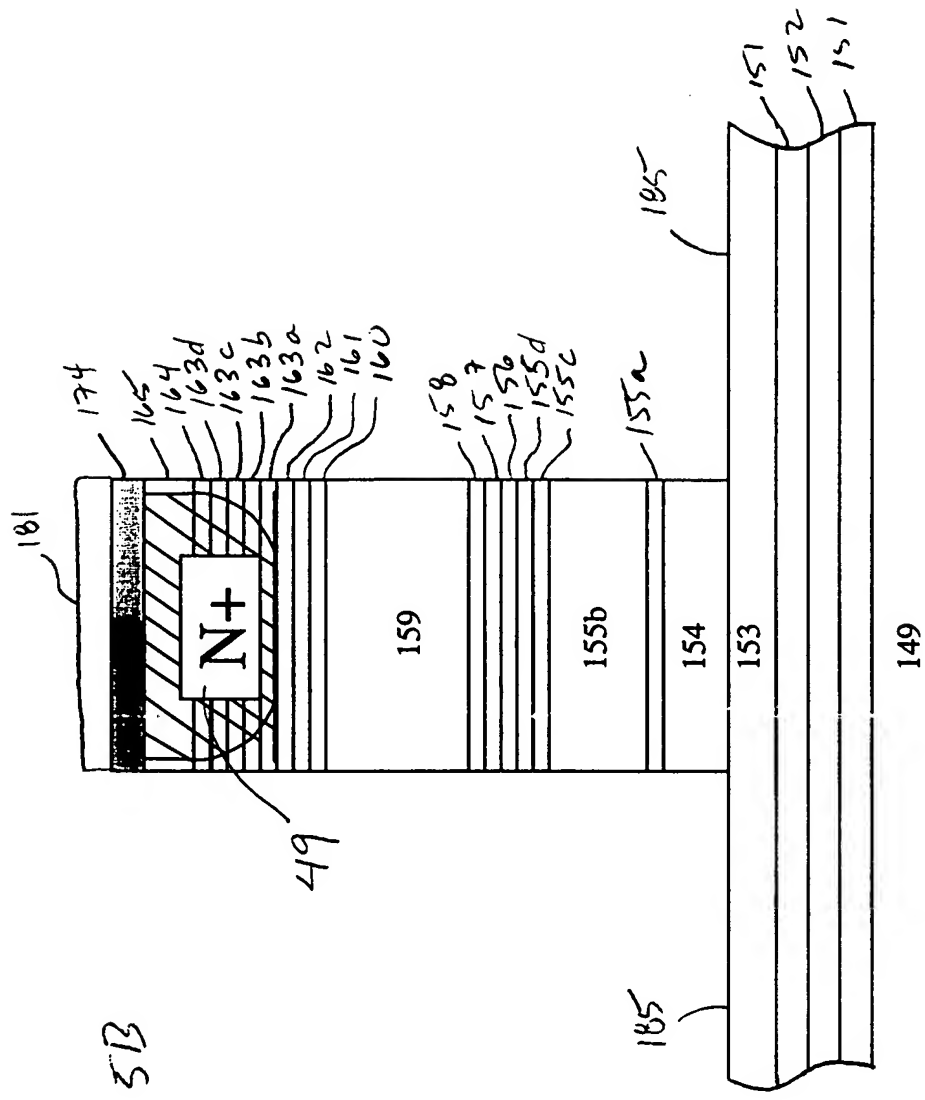
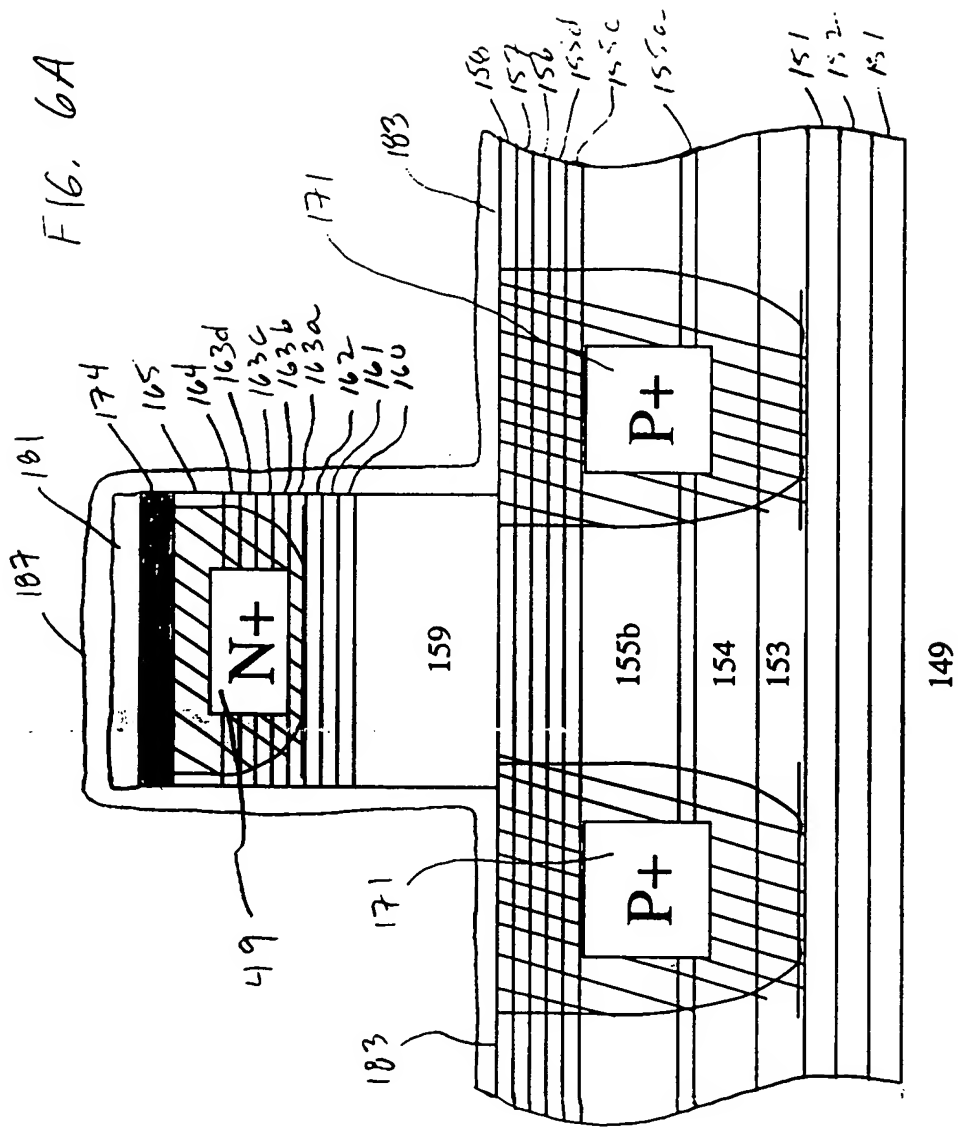


FIG. 5B



F16. 6A



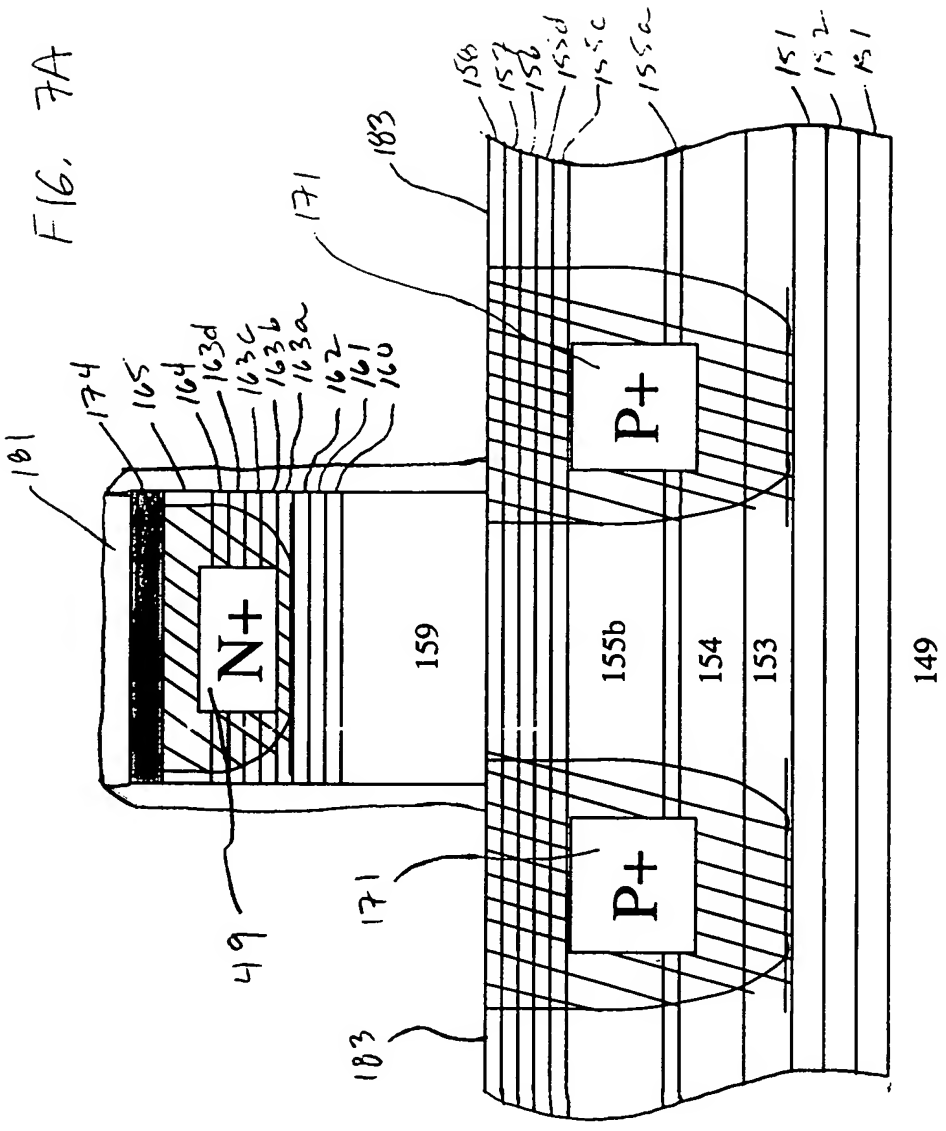
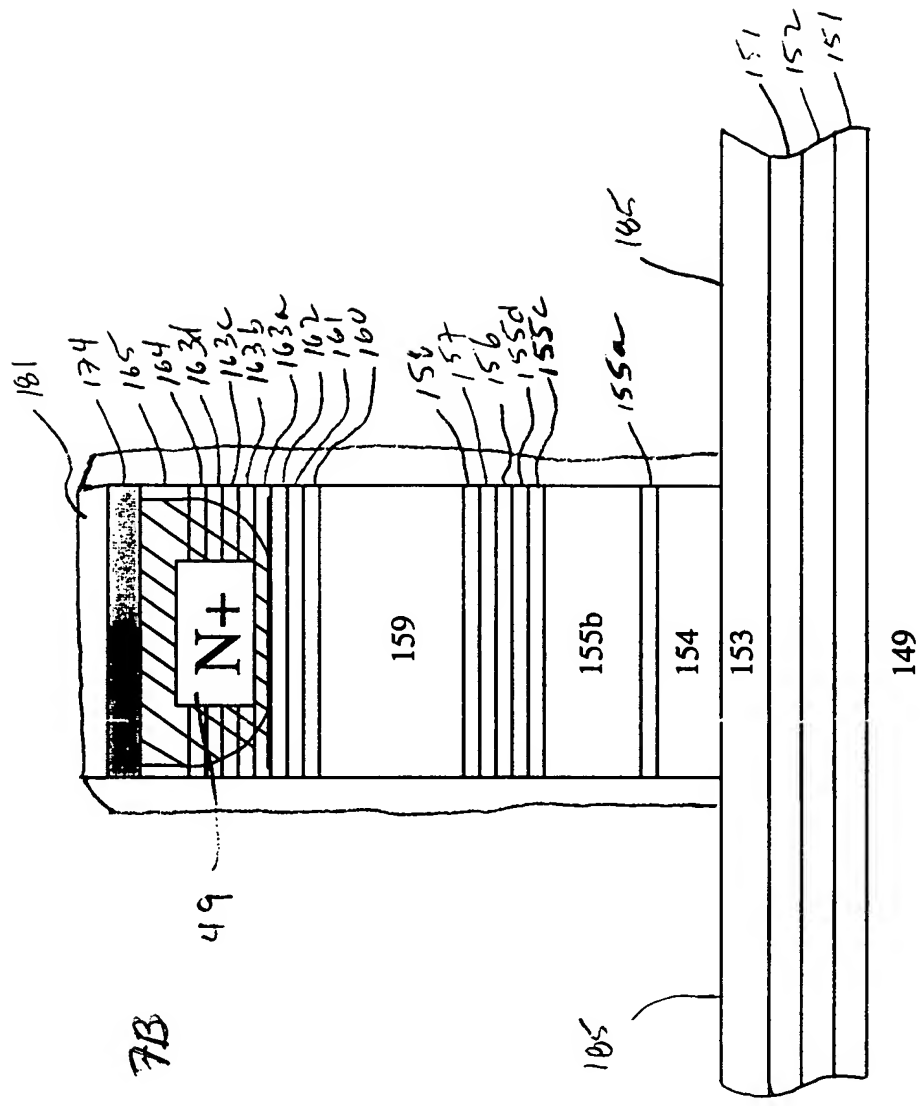


FIG. 7B



149

F16, 9B

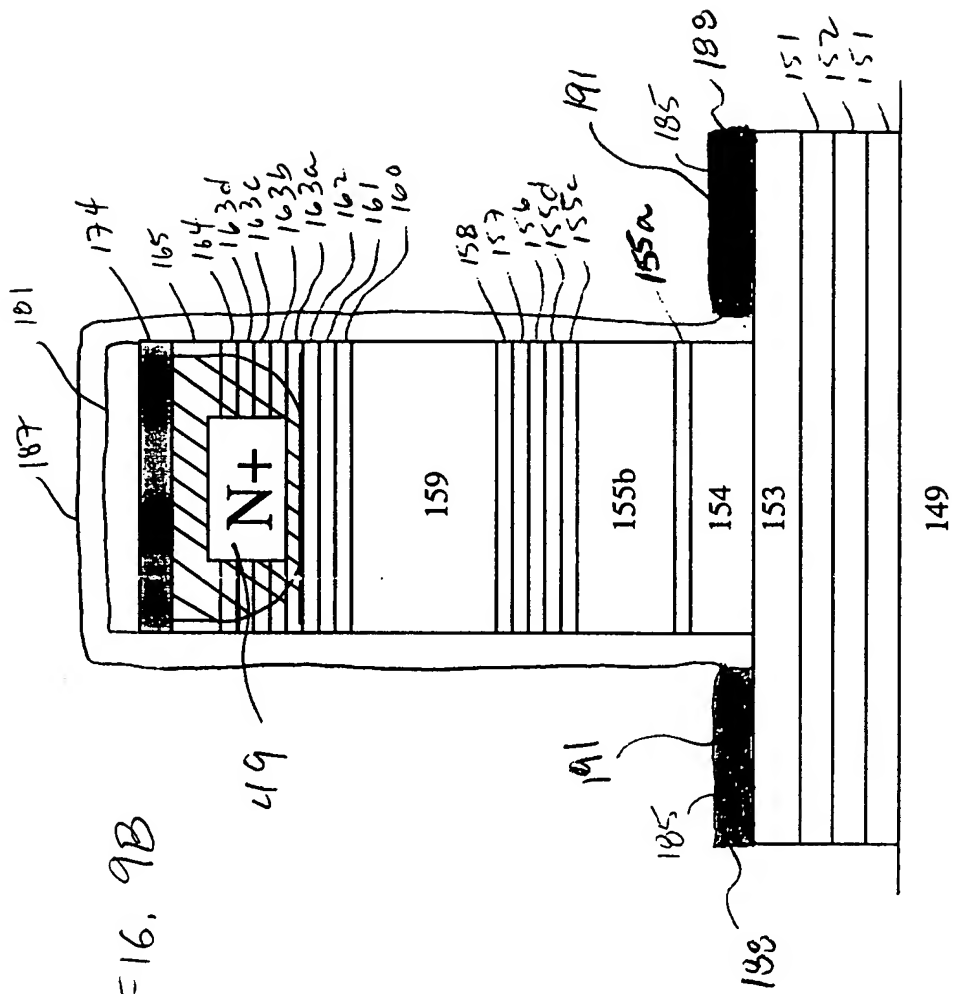


FIG. 10

